

**To:** Suchomel, Bruce[Suchomel.Bruce@epa.gov]  
**Cc:** Ken Smith[ksmith@pgei.com]; Mike Hackney[mhackney@pgei.com]  
**From:** Beau Judge  
**Sent:** Mon 8/25/2014 7:32:57 PM  
**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

We will be wanting to discuss 3 main items.

-Increasing MAIP

-Comingling production from the Wasatch with the Green River in wells inside the Antelope Creek Waterflood unit

-Possibly expanding the Antelope Creek Waterflood Unit to include a few adjacent sections.

I look forward to meeting with you tomorrow.

Regards,

Beau Judge

Engineer

Petroglyph Energy

O: 208.685.7654

M: 208.841.5354

**From:** Suchomel, Bruce [mailto:Suchomel.Bruce@epa.gov]  
**Sent:** Friday, August 22, 2014 8:16 AM  
**To:** Beau Judge  
**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Sure, that would work, but let me know the agenda, i.e., seeking to increase MAIP, etc.

Bruce Suchomel  
UIC Program - Environmental Engineer/Project Manager  
USEPA Region 8 (P-W-UIC)  
1595 Wynkoop St.  
Denver, CO 80202-1129  
303-312-6001

**From:** Beau Judge [<mailto:bjudge@pgei.com>]  
**Sent:** Thursday, August 21, 2014 1:55 PM  
**To:** Suchomel, Bruce  
**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Can we do 10:15am on Tuesday 8/26?

Thanks,

Beau Judge

Engineer

Petroglyph Energy

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M: 208.841.5354

**From:** Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]  
**Sent:** Tuesday, August 19, 2014 2:04 PM  
**To:** Beau Judge  
**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Hello Beau,

Just to be clear, you would be seeking to increase the MAIP in each of these wells.

Can you meet this Thursday morning or either Tuesday or Wednesday morning next week?

Bruce Suchomel  
UIC Program - Environmental Engineer/Project Manager  
USEPA Region 8 (P-W-UIC)  
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**From:** Beau Judge [<mailto:bjudge@pgei.com>]  
**Sent:** Monday, August 11, 2014 12:46 PM  
**To:** Suchomel, Bruce  
**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Thank you for getting back to me. I look forward to discussing this further with you.

Thanks,

Beau Judge

Engineer

Petroglyph Energy

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M: 208.841.5354

**From:** Suchomel, Bruce [<mailto:Suchomel.Bruce@epa.gov>]

**Sent:** Monday, August 11, 2014 12:30 PM

**To:** Beau Judge

**Subject:** RE: Petroglyph Energy MAIP Concerns in Antelope Creek Field

Hello Beau,

Yes, I recall discussing this with Paul. Your column on the right seems to have the correctly calculated MAIPs. I'm out of the office this afternoon and Tuesday, but I'll try to contact you later this week to try to set something up.

The calculation is  $[FG - (0.433 \times SG)] \times (\text{Depth to top of injection interval})$

Bruce Suchomel  
UIC Program - Environmental Engineer/Project Manager  
USEPA Region 8 (P-W-UIC)  
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**From:** Beau Judge [<mailto:bjudge@pgei.com>]

**Sent:** Friday, August 08, 2014 3:09 PM

**To:** Suchomel, Bruce

**Cc:** Paul Powell; Ken Smith

**Subject:** Petroglyph Energy MAIP Concerns in Antelope Creek Field

Bruce,

Paul Powell met you at the Oil and Gas Expo last year in Utah. He mentioned that we had a few

concerns with the waterflood Petroglyph operates in the Antelope Creek Field in Duchesne County, Utah. We would like to open a dialogue about increasing some of our MAIPs and also understanding how the calculation will be done when we submit new injection permits. We would like to schedule a face-to-face meeting at your convenience after you have had a chance to review this information. Feel free to contact me with any question and what dates may work for a meeting.

Regards,

Beau Judge

Engineer

Petroglyph Energy

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